## BEIDENCE LISTING

## 17% GEMERAL INFORMATION:

- (i) APPLICANT: Pomerantz, Coel L. Sharp, Phillip A. Eako, Carl O.
- (11' TITLE OF INVENTION: CHIMERIC TRANSCRIPTION FACTORS
- (iii) NUMBER OF SEQUENCES: 32
- (iv) CORRESPONDENCE ASDRESS:
  - (A) AUTRESSEE: FULLY, HOAG & ELIOT LIP
  - (B) STREET: One East Office Square
  - (C) CITY: Boston
  - (I) STATE: MA
  - (E) COUNTRY: USA
  - (F) DIF: 01179-2370
  - (v) COMPUTER FEARABLE FORM:
    - (A) MEDIUM TYPE: Floppy disk
    - (P) COMPUTER: IBM FC compatible
    - (C) OPERATING SYSTEM: PC-DOS/MS-BOS
    - (I) SOFTWARE: Patentin Release #1.0, Version #1.30
- (vi) CUFRENT AFPLICATION DATA:
  - (A) AFFLICATION NUMBER: US 08/366,083
  - (B) FILING LATE: 19-DEC-1994
  - (T) GLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Vincent, Matthew P.
  - (B) REGISTRATION NUMBER: 36,709
  - (7) REFERENCE/DOCKET NUMBER: APV-022.01
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: 617-832-1000
    - (B) TELEFAM: 617-632-7000
- (2) INFORMATION FOR SEQ 10 NO:1:
  - (i) SEQUENCE CHARACIERISTICS:
    - (A) LENGTH: 16 base pairs
    - (P) TYPE: nucleic acid
    - (C) STRANDEDUESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: DNA (genomic)
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

STITEGEACE TEACTABILE AAGGAS

121 INFORMATION FOR SEC ID NO:2:

CEQUENTE (HABACTEPISTICO:  A LENGIE: i basé palis  B TYPE: nicleic acid  C STRANDECNESS: single  C TOPOLOGY: linear	
ii Molecule lyfe: DNA genomic	
(x1) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
GCGTTAATTA AGGGAGGTAA GGCCC	25
(2) INFORMATION FIR SE, IT NO:3:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: L5 base pairs</li><li>(B) TYPE: numbers acid</li><li>(C) STRANDERMESS: single</li><li>(D) TOP LOGY: linear</li></ul>	
(ii MCLECULE TYPE: DNA genomic)	
(xi SEQUÊNCE DESCRIPTION: SEQ ID NO:3:	
CTCGGCCGTT AATGAGGGGT STTCG	25
(2) INFORMATION FUR SEQ IT NO:4:	
<pre>(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 15 hase pairs     (B) TYPF: nucleic acid     (C) STRANGETNESS: single     (I) TOPOLOGY: linear</pre>	
(ii) MOLECULE TYPE: DNA (genomic)	
(xi) SEQUENTE DESCRIPTION: SEQ ID NO:4:	
TAATTAT BGG IGBBAT IBAA TAGIC	25
(2) INFORMATION FOR SEL ID NO:5:	
(i) SEQUENCE CHAPACTERISTICS:  (A) LENGTH: .16 base pairs  (B) TYFF: nubleic acid  (C) STRANDEDNESS: single  (D) TOFOLOGY: linear	
(ii) MCLECULE TYPE: DNA (genomic)	

xi selvence descriptim: rel 10 mu:::	
GROARIARIO AATGOTTIAR STATES	2 ¢
1 INFORMATION FOR SEQUID NO:6:	
<pre> .i SEQUENCE CHARACTERISTICS:     (A) LENGTH: 16 base pairs     (B) TYPE: nucleic acid     (C) STPANDEDNESS: single     (D) TOFOICGY: linear </pre>	
(ii' MOLECULE TYPE: DNA genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
GGCCGTACCT CATGAAATTA GGGGCG	26
(2) INFORMATION FOR SEQ ID NO:7:	
<ul><li>(i) SEQUENCE CHAFACTERISTICS:</li><li>(A) LENGIH: L5 kase pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STFANDEDNESS: single</li><li>(C) TOFOLOGY: linear</li></ul>	
<pre>(ii) MOLECULE TYPE: DNA (genomic)  (xi) SEQUENCE TESCELETION: SEQ ID NO:7:</pre>	
GTTAATTATG GGSTAATAAT GGTGC	25
(2) INFORMATION FOR SEQ ID NO:8:	2.
(i) SEQUENCE CHARACTERISTICS:  (A) LENGIH: D5 pase pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MONECULE TYPF: DNA  genomic)	
(xi) SEPUENCE DESCRIPTION: SEQ ID NO:8:	
GTOGGGCTCT GTTAATTATG BGTNG	23
(2) INFORMATION FOR SEQ ID NO:9:	
(i) SEQUENCE CHARACTERIŠTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid	

1 CIBANUBINKAS: Single 1 T.Billest: Linker

ii MulEUVLE IYFE: DNA geniri	
<pre>%: SE_UENCE DESCRIPTION: SE_ ID No.4:</pre>	
GUATAATTAD GUGTGGCATT TAGGC	25
I' INFORMATION FOR SEQ ID NO:11:	
"I" SEQUENCE CHARACTERISTICS: (A" LENGTH: 25 pase pairs	
(B) TYPE: mubleic abid (C) STRANDEDNESS: single	
(D) TOPCLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomia)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
GATAAATAGG GGCGCCAT CCCGT	25
(2) INFORMATION FOR SEQ ID NO:11:	
(i: SEQUENCE CHARACTERISTICS: (A) LENGTH: 14 base pairs (B) TYPE: nucleic acid (7) STRANDEDMESS: single (D) TOPMICGY: linear	
(ii) MOLETULE TYPE: DNA (genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:	
TAAATTAGGG CTTTAAITAC GGTC	24
(2) INFORMATION FOR SEQ ID NO:12:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 25 base pairs</li><li>(B) TYPE: nubleic acid</li><li>(C) STRANDEUNESS: single</li><li>(D) TOPDLOGY: linear</li></ul>	
'ii) MOLECULE TYPE: DNA (genomic)	
: antonian enaginarion, and in incide	

igatia wanti bilaan waba likhkh	
L INFLAMATION F F SE, IC N :1::	
: SEQUENCE CHARACTERISTICS:  [A] LENGTH: Lé pase pairs  B TYPE: nucleic acid  C STRANDEDNESS: single  D TOPOLOGY: linear	
(ii) MOLECULE TYPE: ONA (genomio)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
TAGTTGCTAA TTTGTATTAA TTAAAG	26
(2) INFORMATION FOR SEQ ID NC:14:	
<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 15 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPGLOGY: linear</li> </ul> </li> </ul>	
(ii) MOLECULE TYPE: DNA :genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:	
AGTTATTAAT TAAGAAIGIT AATTA	25
(2) INFORMATION FOR SEQ ID NO:15:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 15 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	
GTGTGATAAT GAGCIGGTCC GTCCC	2.5
(2) INFORMATION FOR SEQ ID NO:16:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 25 base pairs  (B) TYPE: nubleic acid  (C) STRANGEDNESS: single	

li M LENVIA TYPE: CNA - démini -

	wi : EQUENTE LESCRIPTION: SEQ ID No:10:	
ATAT	Thiggs Stantinger taken	: f
4	INFORMATION FOR SEQ ID NO:17:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 12 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
	(11) MOLECULE TYPE: DWA genomic)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
TAAT	TANGGG NG	12
(2)	INFORMATION FOR SEQ ID NO:18:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENSTH: 12 base pairs (E) TYPE: nucleic acid (C) STRANDEDNESS: single (I) TOPOLOGY: linear	
	(ii; MOIECULE TYPE: ENA genomic)	
ייי מי מי	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	12
	INFORMATION FOR SEQ ID NO:19:	12
\_/	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 12 base pairs  (B) TYPE: nucleic acid  (C) STRANGEDNESS: single  (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomit)	
	(xi. sequenqe description: seq id no:19:	
	COANNAA AT	12
2	INFORMATION FOR SEQ ID NO:20:	

	i Selvende dhabaddebiddid: A length: logas-padds B dyph: publed about T strandelness: single D lopology: linear	
	ii Mileovie Type: DNA pendalo	
	xi: siguence description: seg id no:23:	
ATGO	TAAATGA	10
12	INFORMATION FOR SEQ ID NO:21:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 12 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPCLOGY: linear	
	(ii) MGLECULE TYPE: INA (genomio)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:	
TAAT	IGATGGG CG	12
(2)	INFORMATION FOR SEQ ID NO:22:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 63 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
	<pre>(ii) MOLECULE TYPE: DNA (genomic)  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:</pre>	
GGC:	TGAGTOT BAACBGATOC UNNNNNNNN NNNNNNNNN NNNNNOCTOG AGACTGAGOG	60
TCG		63
, <u>2</u> ;	INFORMATION FOR SEQ ID NO:23:	
	<pre>(i) SEQUENCE CHARACTERISTICS:    (A) LENGTH: 12 base pairs    (B TYPE: nucleic acid    (C) STRANDEDNESS: single    (C) TOPOLOGY: linear</pre>	
	ii MOLETULE TYPE: DNA genomia	

	MI, SEQUENCE DESCRIPTION: SEG ID NO:23:	
TCAT	TATGGG CG	
ξ.	INFORMATION FOR SEQ ID NO:24:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: L9 base pairs  (B) TYPE: numleic acid  (C) STRANDEDMESS: single  (C) TOEMLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(xi) SEQUENCE PESCHIPTION: SEQ ID NO:24:	
CCTC	CGAGGTC ATTATGGGCAT CO	29
(2)	INFORMATION FOR SE, II NO:25:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 19 pase pairs  (B) TYFE: nucleic acid  (C) STFANDETMESS: single  (D) 1090LOGY: linear	
	(ii) MCLECULE TYPE: DNA genomic)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:	
CCT	CGAGGCG CCCATCATTA CTAGGCACC	29
(2)	INFORMATION FOR SEQ ID NO:26:	
	(i) SEQUENCE CHAFACTERISTICS:  (A) IENGTH: 26 base pairs  (B) IYFE: nubleic acid  (C) FIRANCEINESS: single  D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	
CCT	CGAGGOG CCCACGCCTA GGTACC	2 (
.2.	INFORMATION FOR SEQ ID NO:27:	

	A CARROTT BARRATER CONTROL OF A CARROTT BARRATER	
11	M. 18 YULB. TYPE: ONA - senion in	
ĸi*	SEQUENCE DESCRIPTION: SEQ ID NO. 27:	
CCTCGAGG:	IO ATTIGCATAD TAGGTACC	5
,2° INFO	RMATION FOR SEQ ID NC:28:	
	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 43 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(11)	MOLECULE TYPE: DNA genomic)	
(x1)	SEQUENCE DESCRIPTION: SEQ ID NO:28:	
GGTACCAG	TA TGCAAAIGAC IGCAGIATGC AAATGACCTC GAG	43
(2) INFO	RMATION FOR SEQ ID NO:29:	
( <u>i</u> )	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 39 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA genomic)	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:29:	
GGTACCAG	GC GTGGRAAATG CAGGCGTGGG CGCCTCGAG	3 9
(2) INFO	RMATION FOR SEQ ID NO:30:	
	SEQUENCE CHARACTERISTICS:  (A. LENGTH: 45 dase pairs  (BI TYPE: nucleid acid  (C) SIRANDELNESS: single  (D) TOPOLOGY: linear  MOLECULE TYPE: DNA 'genomin'	
	reconstruction of the deficiency	

MI SERVENCE DESCRIPTION: SER IL NOSCOS

GUTACCESTE ATTACTOS OTGCASTAAL SATEGGGGCC TOCAG

: information for seq if No. 1:

. . .

- 1 SEQUENCE CHARACTERISTICS:
  - A' LENGTH: 1% amind adias B TYPE: amind adia C STRANDEDNESS:

  - pr Topology: linear
- (11) MOLEQUIE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

Met Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

- (2) INFORMATION FOR SEQ ID NO:32:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 14 amino acids
    - (B) TYPE: amino acid
    - (C) SIRANDEDNESS:
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: peptide
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:

Arg Thr His Thr Gly Gly Gly Arg Arg Arg Lys Lys Arg Thr

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